

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5

DATE: October 13, 2006

SUBJECT: Reports of Significant Developments and Activities
Ending on October 6, 2006

FROM: Richard C. Karl, Director
Superfund Division

TO: Bharat Mathur
Acting Regional Administrator

Norman R. Niedergang
Acting Deputy Regional Administrator

The activities listed below are organized by site-specific activities, training/conferences, and stakeholder feedback:

SITE-SPECIFIC ACTIVITIES

**Record of Decision Signed (Former Bronson Reel Facility), North
Bronson Industrial Subareas Site, Bronson, Michigan**

On September 26, 2006, the United States Environmental Protection Agency (U.S. EPA) signed a Record of Decision (ROD) for the former Bronson Reel facility in Bronson, Michigan. This facility is operable unit (OU) 1 of the North Bronson Industrial Subareas site, which is associated with the North Bronson Industrial Area Superfund site.

The former Bronson Reel facility is an abandoned manufacturing property that had been contaminated with low-level metals and solvents. Previous actions by the State of Michigan and the property owner led to the removal of approximately 70 percent of contaminated site soils. The remedial investigation found that residual levels of contamination in site soils do not pose an unacceptable risk to human health and the environment. However, because sampling was not performed under the former manufacturing building, the ROD selected a limited action remedy that requires the placement of a restrictive covenant on the property deed. The restrictive covenant will require a follow-up investigation, in coordination with U.S. EPA, if the building foundation is ever

removed. In addition, the ROD will restrict the use of groundwater at the facility pending resolution of area-wide groundwater contamination that will be addressed under a separate action.

Contact: Terese Van Donsel (312-353-6564)

Settlement, Colors, Inc., Indianapolis, Indiana

On October 2, 2006, U.S. EPA filed a combined Complaint and Consent Agreement and Final Order to resolve alleged violations of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Section 103(a) release reporting requirements. The Complaint alleged that Colors, Inc., failed to immediately notify the National Response Center of a release of a 3,000 gallons (45,906 pounds) of sulfuric acid (reportable quantity is 1,000 pounds) which occurred from their facility on July 6, 2005. The release was reported to the National Response Center (NRC) more than 8 days after occurrence. The release occurred when a bulk tanker truck delivering 3,300 gallons of sulfuric acid was unloading the acid into an upright storage tank via air pressure. At the point of capacity the storage tank split open at the lower seam releasing approximately 3,000 gallons of acid at a very rapid rate. The release was initially inside a building, then migrated outside onto an asphalt and gravel drive, into ditches, and then into an underground storm sewer. The facility was evacuated, and one person was transported to a local hospital. Colors, Inc., will pay a civil penalty of \$19,214. The original propose penalty was \$29,559. Colors, Inc., was given reductions to the proposed penalty for quick settlement, good attitude, and cooperation.

Contact: Ruth McNamara (312-353-3193)

Second Five-Year Review Completed, Industrial Excess Landfill Superfund Site, Uniontown, Ohio

On September 25, 2006, the second five-year review for the Industrial Excess Landfill (IEL) Superfund site in Uniontown, Ohio, was completed. The 30 acre landfill site has a vegetative cover in place, and groundwater is being remediated by natural attenuation. Only two wells onsite continue to show minor exceedances of the Maximum Contaminant Level (MCL) for vinyl chloride, 1,2 dichloroethane, and cis-1,2 dichloroethene. There are no MCL exceedances off-site at IEL. The site is protective and the only outstanding issue is the fact that institutional controls still need to be implemented at the site to ensure long-term protectiveness. The five-year review was reviewed and

approved by the Ohio Environmental Protection Agency (Ohio EPA).

Contact: Tim Fischer (312-886-5787)

Second Five-Year Review Completed, Mound Plant (USDOE) Superfund Site, Miamisburg, Ohio

On September 28, 2006, the second five-year review for the U.S. DOE Mound Plant Superfund site located in Miamisburg, Ohio, was completed. The 306 acre site is nearing completion, which is scheduled to occur by the end of September 2007. All of the remedies at the site are completed, with the exception of the Parcel 6, 7, and 8 Record of Decision and the operable unit 1 excavation project. The site is protective and there are no outstanding issues that need to be addressed. The five-year review was approved by the Ohio Environmental Protection Agency (Ohio EPA) and was not contested by any local stakeholders.

Contact: Tim Fischer (312-886-5787)

Five-Year Review Report Issued, Zanesville Well Field Superfund Site, Zanesville, Ohio

On September 27, 2006, the Region 5 Superfund Division issued the second Five-Year Review Report for the Zanesville Well Field Superfund Site in Zanesville, Ohio.

The remedy for the Zanesville Well Field Site includes: fence installation, a groundwater pump and treat system, an in-situ soil vapor extraction system, groundwater monitoring, yearly evaluation of the groundwater extraction system, and institutional controls. Site construction completion is documented in the September 27, 1996, Preliminary Close-Out Report.

The current Five-Year Review notes that the remedy was constructed in accordance with the requirements of the Record of Decision (ROD), and that both the groundwater pump-and-treat system and in-situ soil vapor extraction system are functioning as designed. The groundwater extraction though, has not achieved the rapid restoration as intended by the ROD, but is expected to achieve cleanup levels. The immediate threats at the site have been addressed.

A protectiveness determination of the remedy cannot be until: completion of the enhanced recovery plan, a vapor intrusion study, and an institutional controls study. It is expected that

these actions will take approximately twelve to fifteen months to complete, at which time a protectiveness determination will be made. This determination will be made in an addendum to the second five-year review in 2008.

Contact: Sam Chummar (312-886-1434)

Five-Year Review Report Completed, ElectroVoice Superfund Site, Buchanan, Michigan

On September 22, 2006, a Five-Year Review Report was completed for the ElectroVoice Superfund site in Buchanan, Michigan.

The remedy for the site includes: capping the lagoon area; treating contaminated soil with subsurface volatilization and ventilation system technology; implementing institutional controls; and, monitored natural attenuation for groundwater. The site achieved construction completion on September 21, 1999.

The current Five-Year Review notes that the remedy was constructed in accordance with the requirements of the Record of Decision, and the Explanation of Significant Differences. The immediate threats at the site have been addressed. The remedy for the on-property source control areas is currently protective of human health and the environment. The groundwater control remedy is protective of human health in the short term. Long-term protectiveness will be verified based on the follow-up actions and recommendations in the Five-Year Review Report. The groundwater remedy will achieve long-term protectiveness when the groundwater cleanup standards are achieved throughout the plume area. The follow-up actions and recommendations includes: evaluate northeast plume expansion; evaluate the threat to the creek due to metal concentrations; evaluate potential changes in groundwater flow rates and directions; maintain the vegetative cover on the cap areas; and maintain and monitor effective institutional controls.

Contact: Giang-Van Nguyen (312-886-6726)

Five-Year Review Report Completed, East Bethel Demolition Landfill Superfund Site, East Bethel Township, Minnesota

On September 6, 2006, a Five-Year Review Report was completed for the East Bethel Sanitary Landfill Superfund site in East Bethel Township, Anoka County, Minnesota.

The remedies for the site included source control/containment,

groundwater extraction and treatment, and monitoring. These remedies were implemented as two operable units. Operable unit 1 (OU 1) addressed the groundwater contamination and the Record of Decision (ROD) was signed in 1992. Operable unit 2 (OU 2) addressed the landfill itself and the work was addressed through the Minnesota Closed Landfill Program (MCLP). All operation and maintenance is the responsibility of the Minnesota Pollution Control Agency (MPCA). The site achieved construction completion on June 30, 2000.

The first Five-Year Review assessment found that the remedy was constructed in accordance with the ROD and the MCLP. This second Five-Year Review confirms that the remedies are functioning as intended and are protective of human health and the environment in the short-term. Long-term protectiveness will be achieved once the follow-up actions and recommendations established through this assessment are completed. The follow-up actions and recommendations includes: install an active gas extraction system; excavate waste on an adjacent property and incorporate it into the landfill; construct a new cover and re-grade the slopes; enhance the extraction system and monitoring program; and prepare an institutional control plan.

Contact: Giang-Van Nguyen (312-886-6726)

Third Five-Year Review Completed, Sangamo Electric Dump/Crab Orchard National Wildlife Refuge (USDOJ) Superfund Site, Marion, Illinois

On September 27, 2006, the third five-year review for the Sangamo Electric Dump/Crab Orchard National Wildlife Refuge (USDOJ) Superfund Site in Marion, Illinois, was completed. The site consists of seven operable units (OUs): Metals Areas (OU 1), Polychlorinated Biphenyl (PCB) Areas (OU 2), Explosives/Munitions Manufacturing Areas (OU 3), Miscellaneous Areas (OU 4), Water Towers (OU 5), Additional and Uncharacterized Sites (OU 6), and Lake Monitoring (OU 7). OUs 1, 3, 5 and 7 are complete. U.S. EPA is in the process of issuing a Record of Decision (ROD) Amendment to address groundwater contamination at OU 2. Cleanup activities for OU 4 are expected to be complete by December 2006. A remedial investigation/feasibility study (RI/FS) is presently being conducted at OU 6.

This five-year review recommends: additional investigation of potential PCB hotspot areas at Sites 32/33 within OU 2 and remediation of any hotspot; continued groundwater monitoring at Sites COC-3 and COP-4 at OU 3 to determine the extent of the plumes and whether natural attenuation is occurring; initiation

of a new Military Munitions Response Program investigation at OU 3; and working with Fish and Wildlife Service to finalize the draft Land Use Control Plan for the site. After the five-year review recommended actions and following the implementation of the remedial actions at OU 2 and OU 3, the site is expected to be protective of human health and the environment both near term and long-term for all OUs except for OU 6. A protectiveness statement cannot be made for OU 6 until the RI/FS is complete for that OU.

Contact: Nan Gowda (312-353-9236)

Five-Year Review Report Completed, Gratiot County Landfill Superfund Site, St. Louis, Michigan

The Michigan Department of Environmental Quality (MDEQ) completed the Five-Year Review Report for Gratiot County Landfill Superfund site in St. Louis, Michigan. The report was signed by MDEQ Remediation and Redevelopment Division Chief Andrew Hogarth, with signed concurrence from Superfund Division Director Rick Karl on September 28, 2006. This is the forth five-year review for the site. The major remedial components have been completed and have eliminated exposure routes: construction of a slurry wall and perimeter fence, installation of an impermeable soil cap, installation of a landfill gas venting system, construction and implementation of a groundwater pumping system, and construction of a lagoon to collect surface water runoff. The remedy was installed to contain the landfill beneath and on the surface to reduce water movement from the site. The groundwater pumping system was shutdown in 2005 because groundwater analytical data had shown stabilization of the groundwater.

The remedy at the site is complete and is protective of human health and the environment for the short term. The current response actions are operation and maintenance of the land landfill cap and groundwater and methane monitoring. Because the remedy does not provide for unrestricted land use, institutional controls are necessary to maintain the cover system and restrict groundwater use at the site. MDEQ and U.S. EPA will be developing a plan to implement the necessary institutional controls to ensure long term protectiveness. Landfill maintenance, groundwater and methane monitoring, and institutional controls support long term remedial protectiveness.

Contact: Kate Rodriguez (312-353-5617)

Five-Year Review Completed, Ripon City Landfill Superfund Site,

Ripon, Wisconsin

The March 27, 1996, Record of Decision (ROD) consists of a composite landfill cap and passive landfill gas venting in conjunction with a groundwater monitoring plan and a deed restriction prohibiting disturbing the landfill cap. The groundwater contamination was not believed to warrant active remedial measures. The ROD recognized that the Wisconsin Code forbids construction of a well within 1200 feet of a landfill. Construction completion was obtained on September 25, 1996. This five-year review report was signed September 27, 2006.

Monitoring has demonstrated that the extent of groundwater contamination has increased and contaminated two residential wells. An alternate water supply was provided for those two residences and a few others nearby. The State established a "Special Well Casing Pipe Depth Area" for approximately 1.5 square miles around the landfill. An active gas extraction system for the landfill is being evaluated. Increased groundwater monitoring is being performed. In the short-term the remedy is expected to be protective of human health and the environment. However, the remedy is not currently protective in the long term because the area with contaminated groundwater requires additional monitoring to ensure that it is not continuing to expand, the interim measures implemented are not enforceable under the existing ROD, and the source(s) of the groundwater contamination has not been adequately controlled. The Wisconsin Department of Natural Resources (WDNR) and U.S. EPA will ensure that additional measures are implemented to ensure long term protectiveness.

Contact: Bernard Schorle (312-886-4746)

Five-Year Review Completed, South Andover Superfund Site, Andover, Minnesota

The remedy for the South Andover Site selected in the two Records of Decision (RODs) and the two ROD Amendments included groundwater monitoring for operable unit (OU) 1 (groundwater) and excavation and off-site treatment and/or disposal of contaminated soils for OU 2 (soil). A group of potentially responsible parties implemented the remedy and construction completion was obtained on November 1, 1994. A partial deletion of the site was announced on October 28, 1998, in which OU 2 was deleted. The site plus some adjacent area which also needed clean-up has been developed and a number of other commercial businesses are located on and adjacent to the site. This five-year review report was signed September 29, 2006.

This five-year review concluded that the remedies were constructed in accordance with the RODs and ROD amendments. The most recent groundwater sampling data continues to show vinyl chloride in groundwater from a well off the southwest corner of the site. The concentrations had been decreasing over the years, but the last two samples have shown an increase. This five-year review recommends continued groundwater monitoring and an examination of the previous analysis for vapor intrusion which had concluded that this was not a problem. An institutional control study will also be undertaken. The remedy is currently protective of human health and the environment in the short-term for the entire site, and in the long-term for OU 2. A long-term protectiveness determination for the OU 1 remedy cannot be made at this time.

Contact: Bernard Schorle (312-886-4746)

Inspection Conducted, Afton Chemical Corporation, Sauget, Illinois

On September 27, 2006, Edward Bordy, Chemical Emergency Preparedness and Prevention Section, conducted an inspection at the Afton Chemical Corporation facility in Sauget, Illinois. The purpose of the inspection was to review the Risk Management Program for the storage and use of chlorine. This facility manufactures additives for various lubricants.

Contact: Edward Bordy (312-353-3191)

Inspection Conducted, Solutia, W. G. Krummrich Plant, Sauget, Illinois

On September 28, 2006, Edward Bordy, Chemical Emergency Preparedness and Prevention Section (CEEP) conducted an inspection at the Solutia W. G. Krummrich facility in Sauget, Illinois. The purpose of the inspection was to review the Risk Management Program for the storage and use of chlorine. This facility manufactures pool chemicals.

Contact: Edward Bordy (312-353-3191)

TRAINING/CONFERENCES

Weapons of Mass Destruction Exercise, Cincinnati, Ohio

On September 30, 2006, the City of Cincinnati conducted a Weapons of Mass Destruction (WMD) Exercise at the Great American Ballpark. At the request of the Cincinnati Fire Department and Health Department, U.S. EPA Region 5 and the Emergency Response Team participated with the Cincinnati Chemical Air Monitoring (CAM) Team to conduct perimeter air monitoring in Cincinnati and northern Kentucky. U.S. EPA and CAM conducted perimeter air monitoring utilizing Rapid Assessment Tool (RAT). The National Atmospheric Release Advisory Center (NARAC) was utilized for air plume modeling.

Contact: Steve Renninger (513-569-7539)

Integrated Biological Agent Workshop, Fort Meade, Maryland

On September 25-28, 2006, four Region 5 On-Scene Coordinators (OSCs) participated and assisted in the instruction of an "Integrated Biological Agent Workshop". The workshop was held at Fort Meade, Maryland. The audience included OSCs from nine U.S. EPA Regions, Office of Emergency Management, National Decontamination Team, Environmental Response Team, and the Office of Research and Development. Other participants included personnel from the U.S. Coast Guard's Atlantic Strike Team and the local Civil Support Team. The workshop was a 4-day process that took the participants through the historical evolution of biological warfare, the recent anthrax responses, and an introduction to clandestine biological laboratories. The workshop concluded with a practical drill to enhance the student's knowledge of both crude and sophisticated biological agent production. Many of the instructors had experience in historic bio agent programs in the United States and former Soviet Union.

Contacts: Sam Borries (312-353-8360)
Mark Durno (440-250-1743)
Steve Faryan (312-353-9351)
Len Zintak (312-886-4246)

Presentation, Sustainable Engineering Class, Champaign, Illinois

On September 27, 2006, Jim Van der Kloot and Karen Bandhauer gave a presentation along with Eugene Goldfarb (U.S. Department of Housing and Urban Development, retired) at the School of Engineering at the University of Illinois - Champaign/Urbana. The presentation covered a range of redevelopment activities which can have lasting environmental benefits, including Green Buildings, green storm water management, Smart Growth, New Urbanism, historic preservation, and natural landscaping. The

course is the first within the University of Illinois Engineering program which focuses on sustainable development techniques. On October 24 and 25, Region 5 and a range of partners will be putting on a conference on Green Engineering at Brownfields, and the students from this class will be taking a bus up to Chicago to participate in this conference.

Contacts: Jim Van der Kloot (312-353-3161)
Karen Bandhauer (312-353-2446)

Initiation of Research Agenda, Quantifying the Benefits of Sustainable Redevelopment of Cleanup Sites

On September 28, 2006, working in collaboration with the University of Illinois at Urbana Champaign's (UIUC) Institute for Sustainability of Intensively Managed Landscapes, Region 5 brought together a range of academic and other sustainability experts to develop a research agenda for quantifying the benefits of sustainable redevelopment of brownfields. The 20 participants included academics from the fields of engineering, economics, geography, landscape architecture, and public health. Several Universities were represented, including University of North Carolina, Charlotte; University of Wisconsin, Milwaukee; University of Illinois, Chicago and Urbana Champaign; and Cleveland State University. Participation is also expected in the future from DePaul University. Non-academic participants included an architect, a nonprofit developer, a State government employee, and an urban planner/attorney.

The group looked at the range of barriers to the widespread adoption of sustainable development practices, particularly at cleanup sites. Then they discussed research and quantification needs which, if filled, could help the market to recognize the value of these approaches. The results of the discussions were documented and will be formalized in an action plan to implement strategic research and technical assistance projects. These projects will be carried out through a consortium affiliated with the UIUC Institute for Sustainability of Intensively Managed Landscapes.

Contacts: Jim Van der Kloot (312-353-3161)
Karen Bandhauer (312-353-2446)
Bob Newport (312-886-1513)

STAKEHOLDER FEEDBACK

Department of Justice Awards Ceremony, Washington, D.C.

On September 21, 2006, On-Scene Coordinator Jon Gulch and Catherine Garypie of the Office of Regional Counsel were presented awards from the Department of Justice-Environment and Natural Resources Division (DOJ-ERND) for their work on the Eagle-Picher Bankruptcy Trial. The Awards Ceremony, which took place at the Robert F. Kennedy Building in Washington, D.C., and was attended by several DOJ dignitaries, including the U.S. Attorney General Alberto R. Gonzales. The awards presented to Mr. Gulch and Ms. Garypie were Certificates of Commendation for outstanding performance and invaluable assistance in support of the activities of the DOJ-ERND.

Contacts: Jon Gulch (734-692-7686)
Catherine Garypie (312-886-5825)

Thank You Letter (Mark Durno), Warren Recycling, Warren, Ohio Township

U.S. EPA received a thank you letter for On-Scene Coordinator (OSC) Mark Durno from Warren, Ohio Township Trustee Kay Anderson. It states: "Thanks for the final POLREP for Warren Recycling. I just want to thank you and your staff on behalf of Warren Township. We truly appreciate all that you have done on this clean-up. It has been a pleasure meeting you. There was a time that we did not see a light at the end of the tunnel for our community. We appreciate all that U.S. EPA has done for us. It is nice to have our community back again, knowing our residents do not have to suffer with health issues. Thanks again."

Contact: Jason El-Zein (734-692-7661)

cc: Susan Bodine (OSWER)
Tom Dunne (OSWER)
Barry Breen (OSWER)
Ed Chu (OSWER)
David Lopez (OSRTI)
Ernie Watkins (OSRTI)
Susan Bromm (OECA)
Phyllis Harris (OECA)
Mike Cook (OSRTI)
Dana Tulis (OEM)
Elizabeth Southerland (OSRTI)
Larry Zaragoza (OSRTI)

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